

~~Abstract~~

is disclosed

→ In a microscope with field transmission, two objectives ~~(2, 3)~~ have substantially identical optical characteristics and at least one of the two objectives ~~(2, 3)~~ is followed by a mirror ~~(5)~~ which reflects the light transmitted through the specimen back into itself exactly. In this way, there is twofold transmission through the specimen with optimum illumination of the solid angle. →

§ In a laser scanning microscope, there are likewise two objectives with identical optical characteristics and at least one of the objectives is followed by a phase-conjugating or adaptive mirror.

~~Fig. 1~~[illegible]